BR. 45/30-4-1

CIVIL TECH LABS

TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Hebbal Sub Division, BBMP
Project	Construction of drains in Florence school road in Ward No.18
Agency	Sri. B. H. Harish
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq mm
Technical Reference	IS: 516-1959(Reaffirmed 2004)

SLNo	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	CC Work (Drain)	22/03/2014	19/04/2014	28	8.30	475	21.11	20.74
2					8.19	465	20.67	
3					8.18	460	20.44	

Note:

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3 Any correction invalidates this report.
4 The results are based on the test conducted on samples supplied by the client.

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TEST REPORT ON COARSE AGGREGATES 40mm ↓ Graded Ref IS 383/2386

Name of the Client	AEE, Hebbal Sub Division, BBMP
Name of Work	Construction of drains in Florance school road in Ward No.18
Agency Name	Sri. B. H. Harish

Sample	Date of Testing	Specific Gravity	Absorption in %	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970	Remarks
40mm Down Graded	16/03/2014	2.66	0.29	80	100	100	Satisfies The Requirements
				40	97	95-100	
				20	62	30-70	
				10	21	10-35	
				4.75	3	0-5	

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TEST REPORT ON CEMENT

Name of the Client	AEE, Hebbal Sub Division, BBMP
Name of Work	Construction of drains in Florance school road in Ward No.18
Agency Name	Sri. B. H. Harish

Tests on Cement	Test Date	Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112 1989	Remarks
			IS Code	Method	Value	Unit		
	16/03/2014	Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	56	min	Not Less Than 30 Minutes	Satisfies Requirement
		Final Setting Time	IS-4031 (Part-5) 1988	VICAT	510	min	Not More Than 600 Minutes	Satisfies Requirement
		Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

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TEST REPORT ON FINE AGGREGATES Ref IS:383/2386

Name of the Client	AEE, Hebbal Sub Division, BBMP
Name of Work	Construction of drains in Florance school road in Ward No.18
Agency Name	Sri. B. H. Harish

Sample	Date of Testing	Specific Gravity As Per IS: 2720 Part 3 - 1970	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970				Grading Zone
					ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
Fine Aggregates	16/03/2014	2.58	10	100	100	100	100	100	II
			4.75	96	90-100	90-100	90-100	95-100	
			2.36	86	60-95	75-100	85-100	95-100	
			1.18	73	30-70	55-90	75-100	90-100	
			0.6	41	15-34	35-59	60-79	80-100	
			0.3	24	5-20	8-30	12-40	15-50	
			0.15	8	0-10	0-10	0-10	0-15	

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